

a stimulus means for applying an electrical stimulus to a heart;

a catheter associated with said [sensor means] thermistor and said stimulus means, said catheter having at least one lumen therethrough; and

an electrical conductor means for operatively connecting said stimulus means and said [sensor means] thermistor to control circuitry for said exercise responsive cardiac pacemaker in such manner that the frequency of said electrical stimulus is controlled by said blood temperature as sensed by said [sensor means] thermistor, said electrical conductor means including a bifilar coil wire connected to said stimulus means, a pair of bifilar coil wires associated with said electrical leads of said [sensor means] thermistor, and a pair of rigid conductive tubing sections joining said pair of bifilar coil wires to said pair of leads, respectively.

wherein said [sensor means] thermistor is encased within epoxy and received in a lumen of said catheter which is at least partially filled with an elastomer, said stimulus means is mounted on the distal end of said catheter, and wherein said thermistor is received within said lumen and located relative to said stimulus means such that when said stimulus means is positioned within said heart for electrical stimulation thereof, said thermistor is centrally positioned within the right ventricle of said heart.

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13. (Amended) The apparatus of claim [12] 10 wherein said catheter includes first, second and third lumens, said first lumen for operatively coupling therethrough said stimulus means with said control circuitry and said second and third lumens for operatively coupling therethrough said [sensor means] thermistor and said control circuitry.

14. (Amended) The apparatus of claim 13 wherein said [sensor means is a thermister and said] stimulus means is an electrode.

REMARKS

Applicant Neal Fearnot and Applicants' undersigned attorney wish to thank the Examiner for his courtesy extended in an interview last Thursday, March 21, 1985, at which time the subject matter of the present invention and the various rejections were discussed along with a proposed amendment substantially the same as that presented herein. Reconsideration of the application in light of that interview and the claims as now amended is respectfully requested.

Claims 10-14 presently stand rejected under 35 U.S.C. §103 over the patent to Csapo, which shows a cardiac catheter with an internal thermistor. Claims 15-18 have been rejected on grounds of double patenting with respect to claim 1 of applicants' U.S. Patent No. 4,436,092, claims 15 and 16 being regarded as defining the "same invention" as patent claim 1 and claims 17 and 18 being